

Cermetek SECURITY MODEM



Communication for your
computer, security for
your peace of mind.

Guard your computer against unauthorized access with the CERMETEK SECURITY MODEM. The Security Modem protects your sensitive computer files by creating a complete electronic security barrier. Only authorized callers can gain access.

Breaking through the security barrier is next to impossible. When an access call is made, the CERMETEK SECURITY MODEM asks the caller for his User ID password. If the password is valid, the modem instructs the caller to hang-up and wait to be called back. The modem will then call back the phone number linked with that password stored in its memory. The Security Modem can store passwords and call-back numbers for up to 25 users in its non-volatile memory. When the caller is another CERMETEK SECURITY MODEM, other calls are locked out until the "call-back" call is made.

The Security Modem goes one step further to insure the safety of your computer files. The modem comes equipped with two phone line jacks. It can be set-up to accept calls on one phone line and make call-backs on a second line, whose number may be kept secret. This prevents interception of the call-back by a sophisticated security breaker. If only one line is available, the Security Modem will call back on the same line.

A variety of security options are available. Access security can be set at 4 different levels: no security, password only, password and call-back on one line, or password and call-back on a second security line. The modem provides a security audit trail of valid and invalid access attempts to the host computer. The modem can also be set to require a password to dial out.

A key is required to access the security software and change security options, passwords, and call-back numbers. The CERMETEK SECURITY MODEM even comes with security stickers to seal the modem case, preventing unauthorized tampering with the modem board.

In addition to its security features, the Security Modem can be used as a standard Bell 212A or 103 modem and is fully compatible with the Hayes SMARTMODEM 1200⁽¹⁾, giving you an ever growing variety of communications software to choose from.

Auto-dial memory too! The modem can auto-dial up to 41 phone numbers from its non-volatile memory. If all 25 passwords are being used in the security mode, the modem can still auto-dial 16 numbers from memory.

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Security Features:

- **Four Levels of Access Security:**
 - 🔒 **No Security** — The CERMETEK SECURITY MODEM operates as a complete 1200/300/110 bps modem and is fully compatible with the Hayes SMARTMODEM 1200.
 - 🔒 **Password Validation Only** — The Security Modem can be programmed to require an 8 digit password to gain access to the computer.
 - 🔒 **Password Validation, followed by a Call-Back on the same line** — When an access call is made, the CERMETEK SECURITY MODEM asks the caller for his password. If the password is valid, the modem instructs the caller to hang-up and wait to be called back.
 - 🔒 **Password Validation, followed by a Call-Back on a Separate Security Line** — The Security Modem will make call-backs on a second phone line, whose number may be kept secret. This prevents the interception of the call-back by a sophisticated security breaker.
- **Two Levels of Originate (dial-out) Security:**
 - 🔒 **No Security**
 - 🔒 **Password Validation**
- **Security codes, for up to 25 users, stored in non-volatile memory.** (Each security code includes a password and an optional call-back phone number.)
- **User Security Codes are protected from listing, modification, or addition by a front panel key and lock.**
- **Audit Trail Messages for valid and invalid access attempts are optionally sent to the host computer.**

Modem Features:

- 1200/300/110 bps full or half duplex operation
- Hayes SMARTMODEM 1200 compatible
- Two year limited warranty
- Auto-dial from the host's keyboard or from memory
- Stores up to 41 phone numbers (25 numbers can be key lock protected)
- Touch Tone⁽²⁾ or rotary pulse dialing, auto-selected or command specified
- Call progress monitoring via a speaker or quiet screen messages (dial tone, ring-back, busy, voice, and connect)
- Auto-answer operation
- Asynchronous or synchronous operation
- RS-232C host computer interface

1. SMARTMODEM 1200 is a trademark of Hayes Microcomputer Products, Inc.

2. Touch Tone is a registered service mark of AT&T.

Technical Specifications:

Compatibility:	Bell 212A — 1200 bps Bell 100 Series — 110/300 bps Hayes SMARTMODEM 1200
Data Rate:	1200 bps character — asynchronous +1%, -2.5%; 1200 bps synchronous; 110/300 bps $\pm$ 2.5% asynchronous
Operation:	Full or half duplex
Input Data Format:	Serial binary
Telephone Interface:	2-wire Direct Distance Dial; RJ-11C compatible. Supports single or multi-key telephone sets.
Integral Repertory Dialer:	Touch Tone or pulse dialing, specified or automatically selected
Call Progress Tone Detected:	Dial, ring-back, busy, modem answer tone, and the human voice
Terminal Interface:	Standard EIA RS-232C
Modulation:	1200 bps — PSK; 110/300 bps — FSK
Loss of Carrier Disconnect:	700 milliseconds (optional)
Receive Carrier Sensitivity:	-43 $\pm$ 1 dBm ON -48 $\pm$ 1 dBm OFF
Transmit Level:	-10 $\pm$ 1 dBm
Non-volatile Memory:	Stores 25 User ID numbers, 25 call-back numbers and 16 auto-dial phone numbers up to one (1) year without power
Power:	95 to 135 V ac $\pm$ 10%, 60 Hz $\pm$ 5%, 6 watts
Physical Dimensions:	10" x 5.5" x 1.5"
Environment:	Ambient temperature 40° F (4° C) minimum, 120° F (50° C) maximum, relative humidity 20% to 90% non-condensing at 75° F (25° C); altitude to 10,000 feet maximum (3,000m)

Ordering Information

Model No. — CERMETEK SECURITY MODEM	
Part Number	Description
CSP 1200 SM	CERMETEK SECURITY MODEM with power pack, user manuals, key, and a telephone cable.